

Alpha Analytical Labs provides custom reporting forms and experience in reports. As such, we can ensure the results are in compliance with the regulatory standards above and/or the sample results highlighted in comparison with the standards

National Recommended Water Quality Criteria - Freshwater Aquatic CCC (chronic) Criteria per Regulatory Updates through
National Recommended Water Quality Criteria - Freshwater Aquatic CMC (acute) Criteria per Regulatory Updates through

Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one sample are included on the summary sheets.

Refer to the laboratory report in Adobe Acrobat (.PDF) format to check results or read any associated project narrative that may be present. In all cases, the signed, hardcopy Alpha Analytical Labs laboratory report is the official document for reporting laboratory results.

This document was generated with the following query parameters:

SortAlpha = rptOrder
Job = L1710452
Project = KEOLIS-CRMF
OrderSamplesByClient = false
CriteriaType = water
UOMType = default
TemplateName = standard
Criteria = EPA-ALFCCC
Criteria = EPA-ALFCMC
CompareRL = true
WebUser = CDW_EST

gh August 22, 2013.
h August 22, 2013.

Qualifier Key

- NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compound.
- C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extraction.
- Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continual Improvement.
- I - The lower value for the two columns has been reported due to obvious interference.
- G - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result is a gross overestimate.
- A - Spectra identified as "Aldol Condensation Product".
- E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- RE - Analytical results are from sample re-extraction.
- R - Analytical results are from sample re-analysis.
- D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations.
- P - The RPD between the results for the two columns exceeds the method-specified criteria.
- U - Not detected at the reported detection limit for the sample.
- M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- S - Analytical results are from modified screening analysis.
- B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples.

LOCATION						OLD STONE CULVERT		DMH 13 (SOUTHERN MH)	UPSTREAM TO PP CHAMBER 2 MH (CATV)	PRISON POINT OIL TRAP (CHAMBER 3)	DMH 13.4 (DOWNSTREAM MH)	AMBIENT (MILLERS RIVER BEYOND BOOMS)	
SAMPLING DATE						4/5/2017		4/5/2017	4/5/2017	4/5/2017	4/5/2017	4/5/2017	
LAB SAMPLE ID						L1710452-01		L1710452-02	L1710452-03	L1710452-04	L1710452-05	L1710452-06	
SAMPLE TYPE													
SAMPLE DEPTH (ft.)													
		CasNum	EPA- ALFCCC	EPA- ALFCM C	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry													
	Solids, Total Suspended	NONE			ug/l	5000	U	5800		24000		380000	
	Cyanide, Total	57-12-5	5.2	22	ug/l	5		5		7		94	
	Phosphorus, Total	7723-14-0			ug/l	16		35		181		4600	
	Oil & Grease, Hem-Grav	NONE			ug/l	4000	U	4000	U	4000	U	4000	U
	TPH, SGT-HEM	NONE			ug/l	4000	U	4000	U	4000	U	4000	U
	Chromium, Hexavalent	18540-29-9	11	16	ug/l	10	U	10	U	10	U	10	U
Low-Level Mercury													
	Mercury, Total	7439-97-6	0.77	1.4	ug/l	0.0054		0.0117		0.008		0.0172	
Microbiological Analysis													
	E. Coli (MF)	NONE			col/100ml	74		1400		10		16	
Semivolatile Organics by GC/MS													
	Acenaphthene	83-32-9			ug/l	2	U	4	U	2	U	4	U
	Fluoranthene	206-44-0			ug/l	2	U	4	U	2	U	4	U
	Naphthalene	91-20-3			ug/l	2	U	4	U	2	U	4	U
	Bis(2-ethylhexyl)phthalate	117-81-7			ug/l	3	U	6	U	3	U	6	U
	Butyl benzyl phthalate	85-68-7			ug/l	5	U	10	U	5	U	10	U
	Di-n-butylphthalate	84-74-2			ug/l	5	U	10	U	5	U	10	U
	Di-n-octylphthalate	117-84-0			ug/l	5	U	10	U	5	U	10	U
	Diethyl phthalate	84-66-2			ug/l	5	U	10	U	5	U	10	U
	Dimethyl phthalate	131-11-3			ug/l	5	U	10	U	5	U	10	U
	Benzo(a)anthracene	56-55-3			ug/l	2	U	4	U	2	U	4	U
	Benzo(a)pyrene	50-32-8			ug/l	2	U	4	U	2	U	4	U
	Benzo(b)fluoranthene	205-99-2			ug/l	2	U	4	U	2	U	4	U
	Benzo(k)fluoranthene	207-08-9			ug/l	2	U	4	U	2	U	4	U
	Chrysene	218-01-9			ug/l	2	U	4	U	2	U	4	U
	Acenaphthylene	208-96-8			ug/l	2	U	4	U	2	U	4	U
	Anthracene	120-12-7			ug/l	2	U	4	U	2	U	4	U
	Benzo(ghi)perylene	191-24-2			ug/l	2	U	4	U	2	U	4	U
	Fluorene	86-73-7			ug/l	2	U	4	U	2	U	4	U
	Phenanthrene	85-01-8			ug/l	2	U	4	U	2	U	4	U
	Dibenzo(a,h)anthracene	53-70-3			ug/l	2	U	4	U	2	U	4	U
	Indeno(1,2,3-cd)pyrene	193-39-5			ug/l	2	U	4	U	2	U	4	U
	Pyrene	129-00-0			ug/l	2	U	4	U	2	U	4	U
	Pentachlorophenol	87-86-5	15	19	ug/l	5	U	10	U	5	U	10	U
	Phenol	108-95-2			ug/l	5	U	10	U	5	U	10	U
Total Metals													
	Arsenic, Total	7440-38-2	150	340	ug/l	1.05		1.43		3.12		1.92	
	Cadmium, Total	7440-43-9	0.25	2	ug/l	1	U	1	U	2.73		1	U
	Chromium, Total	7440-47-3			ug/l	1.05		1.45		2.04		5.06	
	Copper, Total	7440-50-8			ug/l	3.68		4.65		4.6		9.99	
	Lead, Total	7439-92-1	2.5	65	ug/l	1.99		3.34		2.56		7.93	
	Nickel, Total	7440-02-0	52	470	ug/l	2.41		2	U	2.14		2.6	
	Zinc, Total	7440-66-6	120	120	ug/l	101		49.7		55.37		96.43	
Volatile Organics by GC/MS													
	Methylene chloride	75-09-2			ug/l	5	U	5	U	5	U	5	U
	1,1-Dichloroethane	75-34-3			ug/l	1.5	U	1.5	U	1.5	U	1.5	U
	Carbon tetrachloride	56-23-5			ug/l	1	U	1	U	1	U	1	U
	1,1,2-Trichloroethane	79-00-5			ug/l	1.5	U	1.5	U	1.5	U	1.5	U
	Tetrachloroethene	127-18-4			ug/l	120		1.5	U	3.5		4.3	
	1,2-Dichloroethane	107-06-2			ug/l	1.5	U	1.5	U	1.5	U	1.5	U
	1,1,1-Trichloroethane	71-55-6			ug/l	18		2	U	2	U	2	U
	Benzene	71-43-2			ug/l	1	U	1	U	1	U	1	U
	Toluene	108-88-3			ug/l	1	U	1	U	1	U	1	U
	Ethylbenzene	100-41-4			ug/l	1	U	1	U	1	U	1	U
	Vinyl chloride	75-01-4			ug/l	1	U	1	U	1	U	1	U
	1,1-Dichloroethene	75-35-4			ug/l	1	U	1	U	1	U	1	U
	Trichloroethene	79-01-6			ug/l	12		1	U	1	U	1	U
	1,2-Dichlorobenzene	95-50-1			ug/l	5	U	5	U	5	U	5	U
	1,3-Dichlorobenzene	541-73-1			ug/l	5	U	5	U	5	U	5	U
	1,4-Dichlorobenzene	106-46-7			ug/l	5	U	5	U	5	U	5	U
	Acrolein	107-02-8	3	3	ug/l	8	U	8	U	8	U	8	U

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